

Message

From: Andrew Baris [abaris@rouxinc.com]
Sent: 6/24/2016 2:06:00 PM
To: Welch, August [WelchA@cdmsmith.com]; Cirian, Mike [Cirian.Mike@epa.gov]
CC: Hoogerheide, Roger [Hoogerheide.Roger@epa.gov]; Repine, Damon [RepineDL@cdmsmith.com]; John.Stroiazza@glencore-ca.com; Steve Wright - CFAC [swright@cfaluminum.com]; Michael Ritorto [mritorto@rouxinc.com]; Amy Hoffmann [ahoffmann@rouxinc.com]; Laura Jensen [ljensen@rouxinc.com]
Subject: RE: CFAC ISM Sampling
Attachments: removed.txt

Thanks August, we will look for the email and follow-up once received.

Andrew Baris
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Roux Associates, Inc.

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From: Welch, August [mailto:WelchA@cdmsmith.com]
Sent: Friday, June 24, 2016 10:01 AM
To: Andrew Baris <abaris@rouxinc.com>; Cirian, Mike (Cirian.Mike@epa.gov) <Cirian.Mike@epa.gov>
Cc: Hoogerheide, Roger <Hoogerheide.Roger@epa.gov>; Repine, Damon <RepineDL@cdmsmith.com>; John.Stroiazza@glencore-ca.com; Steve Wright - CFAC <swright@cfaluminum.com>; Michael Ritorto <mritorto@rouxinc.com>; Amy Hoffmann <ahoffmann@rouxinc.com>; Laura Jensen <ljensen@rouxinc.com>
Subject: RE: CFAC ISM Sampling

Drew,

I spoke with Amy Hoffman on the phone today and passed on our recommendations for which grids to select for re-sampling. The Grid numbers and rationale that we recommend for re-sampling are:

- Grid 2 – Encompasses the south part of the former drum storage area where passive soil gas sampling indicated the presence of contamination.
- Grid 6 – Located down gradient of the wet scrubber sludge pond and the location of the previously collected DUP and MS/MSD samples.
- Grid 8 – Located down gradient of the east landfill leachate pond.

We will follow up with an additional email that will outline a few items that we are requesting be included in a formal field modification for the change in sampling and analysis methods with attention being given to the DQOs and how the comparative data sets generated during re-sampling will be used.

Thank you for your prompt reply and in working with the lab to modify the field sampling program. Based on my observations with Scott and Laura yesterday morning, we are comfortable with the sampling approach that will be used going forward.

Best regards,

August

From: Andrew Baris [mailto:abaris@rouxinc.com]

Sent: Thursday, June 23, 2016 1:54 PM

To: Cirian, Mike (Cirian.Mike@epa.gov) <Cirian.Mike@epa.gov>

Cc: Hoogerheide, Roger <Hoogerheide.Roger@epa.gov>; Repine, Damon <RepineDL@cdmsmith.com>; Welch, August <WelchA@cdmsmith.com>; John.Stroiazso@glencore-ca.com; Steve Wright - CFAC <swright@cfaluminum.com>; Michael Ritorto <mritorto@rouxinc.com>; Amy Hoffmann <ahoffmann@rouxinc.com>; Laura Jensen <ljensen@rouxinc.com>

Subject: CFAC ISM Sampling

Mike:

This email is in follow-up to our call yesterday regarding the Incremental Sampling Methodology (ISM) being implemented at the Site to sample soil within 43 Decision Units, each approximately 1 acre in size, within the Operational Soil Area of the Site. As discussed yesterday on the call, EPA and CDM Smith were concerned that the field sampling and processing of the ISM samples was not in conformance with the ITRC ISM guidance as referenced in the work plan. As a result of our discussion and based upon follow-up discussions with Test America Laboratories, our contracted lab, we will discontinue the field processing of the samples. Instead, the samples (approximately 1 kilogram bulk samples, comprised of 32 aliquots from each DU) will be shipped to Test America Laboratories where the samples will be pre-processed and prepared in accordance with their Standard Operating Procedure for ISM samples.

In addition, we reviewed the actual sampling techniques in the field today with August Welch of CDM Smith, and it was agreed that moving forward the team will be using the "wedge" approach to obtain representative aliquots from the Geoprobe cores obtained at each of the 32 borings locations that make up each DU.

We had previously completed 15 of the 43 DUs using the field processing approach that will be discontinued. We are proposing to go back and resample three of those DUs (i.e., 20 percent resampling) using the wedge sampling and laboratory processing approach described above. This resampling will allow comparison of the results from the two methods, and for assessment of whether or not the initial sampling approach resulted in any bias relative to the sampling and processing methods we will following henceforth.

I believe that the adjustments described above should resolve the concerns raised on the call yesterday. Please let me know if you have any questions or require any further documentation regarding this matter.

Regards,

Drew Baris

Andrew Baris
Vice President / Principal Hydrogeologist
Roux Associates, Inc.

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